

19971116.ba v01\_n777.bam.971116 v01\_n778.bam.971116

>From ???@??? Mon Nov 17 02:42:13 1997  
Message-Id: <199711161718.LAA04833@sco.theporch.com>  
Date: Sun, 16 Nov 1997 11:18:53 CST  
Subject: BOATANCHORS digest 1777

BOATANCHORS Digest 1777

Topics covered in this issue include:

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- 4) Free BA's to good home (you pay shipping costs)  
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- 5) FS: Optoelectronics SB-220 HF-VHF 9 digit counter  
by Ed Tanton <n4xy@bellsouth.net>
- 6) TR4C Dial Play  
by howellh@winthrop.edu
- 7) Club Eddy  
by "Robert Nickels" <ranickel@mwci.net>
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by Scott Robinson <spr@earthlink.net>
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by "James R. Binkley" <w4aos@his.com>
- 10) PJ-068 scarce?. Yes, but...  
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 11) Need Info: Natl NCX-3  
by Bob/WB0AUQ <brainbol@lawrence.ks.us>
- 12) Two more free BA's (you pay shipping)  
by Dave Hutchison <djhutch@concentric.net>
- 13) FS: HQ-129X  
by Dave Hutchison <djhutch@concentric.net>
- 14) Re: Club Eddy  
by "Walt Novinger" <wnovinger@shaw.wave.ca>
- 15) TR4X Bearing  
by howellh@winthrop.edu
- 16) on the air in style  
by bdhall@ghg.net (Benjamin D. Hall)
- 17) r-390a part sources  
by Gabor Karsai <gabor@vuse.vanderbilt.edu>
- 18) Re: Oath of Secrecy  
by "W6WUH Larry" <rau@wco.com>
- 19) Re: Oath of Secrecy

- by Charles Ring <charlesr@infonline.net>
- 20) R-390A Parts Source  
by n5off@w5ddl.aara.org
  - 21) Re: TR4X Bearing  
by "Dennis M. Fox" <foxd@mail.grady.public.lib.ga.us>
  - 22) "Other" modulation for DX-60, truth  
by MNHopkins@aol.com
  - 23) CY-6341A/PRC-74 wanted  
by "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>
  - 24) Valiant Fuse Blo'in...Solved  
by Mike Maloney <ac5p@ionet.net>
  - 25) Re: R-390A Parts Source  
by Stanley Wilson <microres@crl.com>
  - 26) Re: Thanks to (who?) for the repair tip! (Al Klase , 11/14/97 18:51)  
by "James R. Binkley" <w4aos@his.com>
  - 27) URM25D Signal Generator Question  
by David Medley <davemed@worldnet.att.net>
  - 28) Mike Connector needed  
by "Allan Fritsche" <fritsche@classic.msn.com>
  - 29) ADMINISTRIVIA: Changing Email Addresses  
by listown@jackatak.theporch.com (Mail List Owner)

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Date: Sat, 15 Nov 1997 13:36:26 -0600  
From: bdhall@ghg.net (Benjamin D. Hall)  
To: BoatAnchors@SCO.ThePorch.Com  
Subject: selenium rectifier stack  
Message-ID: <3.0.32.19971115133607.0068490c@mailman.ghgcorp.com>

Good afternoon all...

Braved the abnormally cold Houston weather this morning (40 degrees F, brrrrr!) to pick up a 1952 vintage power supply from fellow esteemed listmember Robert Downs. Got to see all the nice BA's in his shack.

The power supply is a dual voltage, high amperage unit, made by the Navy for the Army (that is what the sticker says!). Either 0 to 16 volts at 25 amps, or 0 to 32 volts at 12.5 amps. Unit seems to work, but a little poking around yielded a couple of bad caps, and a very LARGE what I beleive to be selenium rectifier stack. (green with fins, like one from the R-390A but, oh 20 times larger)

Unit has two sides, generating 0 to 16 vdc at 12.5 amps each, paralleled or series'ed by configurable "jumpers" on the front panel. Problem is that one side of the unit is generating significantly more voltage than the other, around 20% higher. Not good for parallel operations. VTVM shows that one side of the selenium stack has about 20% more forward resistance

Next question - I know when selenium stacks fail, they fail with lots of smoke and smell. I'm planning to use this supply to power my GE Progress line which I hope to use a lot, so I'm wondering if y'all would change the selenium stack out in favor of silicon bridges? I've got the silicon bridges ready to jump into the unit...

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator  
extraordinaire. Located in Houston, Texas, USA.  
e-mail: BDHall@ghg.net web:<http://www.ghgcorp.com/bdhall>

Hi Ben... I don't have a lot of answers-YET-but just bought some misc. new ones fairly cheaply from ebay and plan to run some tests to see just what is what in changing from selenium to silicon. If anyone already has some real world numbers I'd like to hear also. Else, I'm going to try the several I get and some I already have and see what the drops are at various voltages and currents, and try to pull some general numbers we can use to put resistors in with such changes. I DO know, for example, you can add something like 250 ohms 10W/side to each leg of the MV/HV xfmr (before the rect) when replacing a 5R4 in a Ranger. (I'd check that # before doing it-don't trust my memory as far as I can throw my voice [I can't].) Figure you do something LIKE that for seleniums. Have no idea where to start, so the first step is to do some fooling around and measure the changes under various loads and currents going from selenium to silicon. Of course, it'd be REALLY nice if somebody already had some general numbers!!! Let you know what I learn.

73

Ed Tanton      N4XY      EMAIL: n4xy@bellsouth.net

189 Pioneer Trail

Marietta, GA 30068-3466

TEL: (770)579-3933 V/MBX/FAX

~~~~~  
"Think you can, think you can't: either way you're right!"

Henry Ford  
~~~~~

-----  
Date: Sat, 15 Nov 1997 15:15:39 -0500

From: Ed Tanton <n4xy@bellsouth.net>

To: bdhall@GHG.NET

Cc: boatanchors@theporch.com

Subject: Re: selenium rectifier stack

Message-ID: <3.0.1.32.19971115151539.00b12850@mail.atl.bellsouth.net>

P.P.S. The actual ANSWER to the question you posed is YES indeed: any and all selenium rectifiers I find in anything I own are going to come out when I figure out the replacement algorithms. I have a B & W T/R switch using one right now, and I'm just going to-pardon the expression-fire it up after I replace the electrolytics, and measure the selenium rect. derived HV (~150VDC) and measure the current... then replace the sel. with a decent silicon rectifier diode, and measure that. That'll give me all the numbers to put it right back where it was. And one set of numbers for a generalized calculation on the replacement.

73

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Ed Tanton N4XY

EMAIL: n4xy@bellsouth.net

189 Pioneer Trail

Marietta, GA 30068-3466

TEL: (770)579-3933 V/MBX/FAX

~~~~~  
"Think you can, think you can't: either way you're right!"

Henry Ford  
~~~~~

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Date: Sat, 15 Nov 1997 15:25:51 -0500

From: Dave Hutchison <djhutch@concentric.net>

To: boatanchors@theporch.com

Subject: Free BA's to good home (you pay shipping costs)

Message-ID: <346E054F.54C9165C@concentric.net>

I have three BA transmitters and one receiver in unknown electrical condition that are in need of a good home. All of them have all the knobs and other original cosmetic components. All are in complete condition and average cosmetic condition. All you pay is my shipping costs to your QTH.

Viking II  
DX 100  
Knight T-60  
Hammurland H0-145

The buyer must promise me you will restore and use these radios and not throw them in the dumpster!

Please reply via e mail and include your zip code so we can calculate UPS charges.

Dave Hutchison K9HT

For Sale: Optoelectronics SB-220 HF-VHF (> 230MHz) 9 digit counter w/ ext. PS.... reads freq of actual SSB sideband in use;, and indicates SB w/LED... bright blue florescent 9 digit display/USB/LSB LEDs/ filtering for correct sideband indication; HI-STAB TXCO adj timebase; virtually unused; reason for sale: have HP 5328 counter w/ ultra-stab. timebase opt. Original owner. Price: \$150ppd CONUS

73

Ed Tanton    N4XY                      EMAIL: n4xy@bellsouth.net  
189 Pioneer Trail  
Marietta, GA   30068-3466          TEL: (770)579-3933 V/MBX/FAX

"Think you can, think you can't: either way you're right!"          Henry Ford

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Date: Sat, 15 Nov 1997 16:19:02 -0500  
From: howellh@winthrop.edu  
To: boatanchors@theporch.com  
Subject: TR4C Dial Play  
Message-ID: <97111516190180@winthrop.edu>

WINTHROP UNIVERSITY

Electronic Mail Message

Date: 15-Nov-1997 04:12pm EST  
From: Haney Howell  
HOWELLH  
Dept: Mass Communication  
Tel No: 323-4534

TO: Remote Addressee ( \_smtp%"boatanchors@theporch.com" )

Subject: TR4C Dial Play

Attempting to get rid of some dial play and instability. The main tuning knob has about an eighth inch of play. The PTO tunes fine with a bit of down or up pressure but jumps around a bit. I can see some play in the nylon gears and the shaft into the PTO. I've tried reseating the PTO, etc. but can't find the source of the play.

Anyone solved this problem in the past? Could the play be in the bearings?  
((Gosh I hope not!))

Thanks

Haney k2xn <howellh@winthrop.edu>

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Date: Sat, 15 Nov 1997 15:59:21 +0000  
From: "Robert Nickels" <ranickel@mwci.net>  
To: boatanchors@theporch.com  
Subject: Club Eddy  
Message-ID: <199711152201.QAA07157@subcellar.mwci.net>

Hi All,

I have the address for the Eddystone Newsletter in the UK, but wonder

if anyone knows of an e-mail address for the group? Or, if any members are on the list, would appreciate hearing from you.

Thanks and 73,

Bob W9RAN

Asking the hypothetical question "Is there anything more frustrating than breaking a ferrite coil slug". OK, its not hypothetical :--(

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Date: Sat, 15 Nov 1997 14:34:06 -0800 (PST)  
From: Scott Robinson <spr@earthlink.net>  
To: boatanchors@theporch.com  
Subject: FS 24V 95A battery charger  
Message-ID: <v03007804b094a8209629@[153.34.139.201]>

Folks,

A friend of mine in San Francisco has one of these available. I expect the price is low, but the weight is high! It was used to charge batteries for warehouse fork lifts. Any interest? Pick-up is doubtless the preferred shipment method.

Regards,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

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Date: Sat, 15 Nov 1997 17:47:06 -0800  
From: "James R. Binkley" <w4aos@his.com>  
To: boatanchors@theporch.com  
Subject: Re SX-28 Bandswitch Stops  
Message-ID: <346E509A.F15@his.com>

Well I received quite a few responses and it seems that the SX-28 did, indeed, originally have a stop on the bandswitch. This was implemented in the usual way on the detent mechanism. Several people did report that theirs was broken or nearly so, so I guess its not too uncommon.

Please forgive me for not making individual replies, my hearitest thanks to all who responded.

73 Bob w4aos@his.com

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Date: Sun, 16 Nov 1997 00:28:19 +0100  
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>  
To: "Boatanchors List" <boatanchors@sco.theporch.com>  
Subject: PJ-068 scarce?. Yes, but...  
Message-ID: <3.0.1.32.19971116002819.006dd64c@pop.ctv.es>

Hi gang,

Well, if you are reading this message, the title has done some effect :-)!.

Currently I have, among other equipment, a Collins 32S-3 and a Drake T-4XC. Soon (let's hope!), I'll have also a Drake TR-4CW/rit, a TR-4CW and a T-4XB... If you count (it is not so difficult; my 4 years old daughter does it :-)!), you get 5 transmitters, all of them with the scarce PJ-068 connector for the microphone. Currently, I have only two of these connectors and I wondered how to manage with 4 different microphones I have around... The solution is so simple that probably all of you know it but, anyway, here you have: I have built a couple of 'mic connector adapters' made of a PJ-068 male connector, half a meter of shielded 3 conductor wire, and an standard big female stereo phono plug (this plug is the one similar to the PJ-068 style, but bigger). Then, I have attached commonly available male stereo phono plugs to all my microphones. So I can use any mike with any transmitter and, if I get any new mike, I need only to put in it a readily available phono plug instead of the hard to find PJ-068.

Please, if this idea is older than the wheel, forgive me!. I only wanted to help ;-)!.

Best regards.

JOSE

-----  
73 EB5AGV / EC5AAU  
JOSE V. GAVILA  
Ausias March 46, 15  
46910 Benetusser - VALENCIA  
SPAIN

<http://www.geocities.com/SiliconValley/6992/>  
e-mail: eb5agv@ctv.es & eb5agv@amsat.org



-----  
Date: Sat, 15 Nov 1997 18:16:21 -0600  
From: Bob/WB0AUQ <brainbol@lawrence.ks.us>  
To: boatanchors@theporch.com  
Subject: Need Info: Natl NCX-3  
Message-ID: <346E3B55.6834@lawrence.ks.us>

G'evening all,

Seems to be several National receiver users out there, wonder if we have any transceiver people?? A friend donated an NCX-3 to the "working museum" as my shack is referred to by the locals. After a few hours cleanup (was stored many years), have made some contacts on 40 and 80 cw, and after some burn-in will check out alignment, etc. So far I find two mods, an RIT, which comes in handy on cw but the front panel suffered two holes for it. Also has a calibrator installed, and switch is on the mic gain, just like National recommended when they brought out the mod kit. No hole required. The cabinet and chassis are in beautiful condition, only the extra front panel controls detract from original appearance.

Any replacement panel out there?

Wonder if anyone is familiar with this little rig and/or can point me to reviews, mods, hints/kinks for it?? Any comments from actually using one would be appreciated.

--

73,  
Bob/WB0AUQ/AFA3RE  
brainbol@lawrence.ks.us FISTS #1905

-----  
Date: Sat, 15 Nov 1997 19:27:13 -0500  
From: Dave Hutchison <djhutch@concentric.net>  
To: boatanchors@theporch.com  
Subject: Two more free BA's (you pay shipping)  
Message-ID: <346E3DE1.C2BF856B@concentric.net>

I have two more BA's I wish to give away to a good home. Once again you must promise me you will restore and use these BA's and not throw them in the dumpster.

SX-111

Ameco TX-62 and VFO

The 111 is missing a few knobs and is in fair shape. The Ameco seems to be in pretty good shape. Both are unknown electrically. Please respond

via e mail and list your zip code and please.

73's

Dave K9HT

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Date: Sat, 15 Nov 1997 19:34:24 -0500  
From: Dave Hutchison <djhutch@concentric.net>  
To: boatanchors@theporch.com  
Subject: FS: HQ-129X  
Message-ID: <346E3F90.D102F8CE@concentric.net>

I have a beautiful Hammarlund HQ-129X receiver. A 9.5 on the cosmetic scale and it works great too! I simply need to clear some space out. Price is \$225 plus shipping costs. Please reply via e mail.

73's

Dave Hutchison K9HT

-----  
Date: Sat, 15 Nov 1997 17:54:25 -0500  
From: "Walt Novinger" <wnovinger@shaw.wave.ca>  
To: ranickel@mwci.net  
Cc: boatanchors@theporch.com  
Subject: Re: Club Eddy  
Message-ID: <3.0.32.19971115175032.006b0fb0@mail.cal.shaw.wave.ca>

As far as I know, Graeme G3GGL, the fellow who operates the EUG, has no email capabilities. I asked him about it during a conversation awhile ago, and he claimed no ability to understand those computer things :=).

For those who don't have tha address, here 'tis:

Eddystone User Group  
Graeme Wormald G3GGL  
15 Sabrina Drive  
Bewdley, Worcestershire DY12 2J  
United Kingdom  
Tel: 01299 41 3372

73 de Walt

At 15:59 11/15/97 +0000, you wrote:

>Hi All,

>

>I have the address for the Eddystone Newsletter in the UK, but wonder  
>if anyone knows of an e-mail address for the group? Or, if any  
>members are on the list, would appreciate hearing from you.

>

>Thanks and 73,

>

>Bob W9RAN

>Asking the hypothetical question "Is there anything more frustrating  
>than breaking a ferrite coil slug". OK, its not hypothetical :--(

>

>

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
wnovinger@shaw.wave.ca	

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Date: Sat, 15 Nov 1997 20:35:47 -0500

From: howellh@winthrop.edu

To: boatanchors@theporch.com

Subject: TR4X Bearing

Message-ID: <97111520354750@winthrop.edu>

WINTHROP UNIVERSITY

Electronic Mail Message

Date: 15-Nov-1997 08:34pm EST

From: Haney Howell  
HOWELLH

Dept: Mass Communication

Tel No: 323-4534

TO: Remote Addressee ( \_smtp%"boatanchors@theporch.com" )

Subject: TR4X Bearing

WINTHROP UNIVERSITY

Electronic Mail Message

Date: 15-Nov-1997 08:31pm EST

From: Haney Howell

HOWELLH  
Dept: Mass Communication  
Tel No: 323-4534

TO: Remote Addressee ( \_smtp%"DRAKE-L@fablotz.min.net" )

Subject: TR4C Bearing

Think I've found the problem. Two of the balls are missing from the bearing race... thus the wobble. At least looking at the TR6 there seems to be a full house in that bearing.

Does anyone have one of these puppies? Looks like it's the same basic structure accross the TR4 line.

Thanks

Haney k2xn <howellh@winthrop.edu>

-----  
Date: Sat, 15 Nov 1997 19:40:17 -0600  
From: bdhall@ghg.net (Benjamin D. Hall)  
To: BoatAnchors@SCO.ThePorch.Com  
Subject: on the air in style  
Message-ID: <3.0.32.19971115194013.00721090@mailman.ghgcorp.com>

Greetings all...

With the replacement of the selenium rectifier stack in my recently aquired Navy-Army power supply, it is up and working powering my GE Progress Line 2M rig... So, I'm finally on the air, and \*in style\*!

Nothing like the smell of warming tubes...

Thanks and 73 to y'all for all the advice, I really appreciate it.

73,  
Ben  
---

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator  
extraordinaire. Located in Houston, Texas, USA.  
e-mail: BDHall@ghg.net web:<http://www.ghgcorp.com/bdhall>

-----  
Date: Sat, 15 Nov 1997 19:56:21 -0600 (CST)  
From: Gabor Karsai <gabor@vuse.vanderbilt.edu>

To: boatanchors@theporch.com, r-90@qth.net

Subject: r-390a part sources

Message-ID: <Pine.LNX.3.95.971115194518.1916A-1000000@classic1.vuse.vanderbilt.edu>

Dear List(s):

I have recently obtained an R390A (EAC S/N 2072). Unfortunately it is neither complete nor unmodified. Fortunately, it works!

I would like to restore it to "original" condition, so I am looking for a few good parts.

- P109 connector with mounting bracket(?) (that half which is mounted on the VFO)
- line meter (the carrier meter is there, with black markings on a white background - I would like a similar looking line meter)
- C connector (the unbalanced antenna connector)
- bandwidth switch extension shaft (the metal piece that tightens on the real shaft is broken)
- original manual

I would appreciate pointers to part sources.

Any help is much appreciated.

Best regards and 73s,

-- Gabor

PS. Even in its current state it is a DARN FINE RADIO!

-----  
Date: Sat, 15 Nov 1997 18:03:05 -0800

From: "W6WUH Larry" <rau@wco.com>

To: <boatanchors@theporch.com>

Subject: Re: Oath of Secrecy

Message-ID: <199711160203.SAA04449@shell.wco.com>

The International Telecommunications Act of 1935 provides for secrecy of communications to wit:

the content on radio communications (conducted by others) shall not be divulged.

Back in the dim dark past.. hams were expected to study these rules and were tested on them.

See an ARRL liscense manual for general or technician class license from

the 50's or early 60's to see what I mean.

On the technical side you had to be able to recognize every conceivable oscillator and filter inredrawn form...and earlier still in the forties you had to draw them...not just recognize or correct a pre-drawn diagram.

You will get a wierd cold shiver if you read a current license manuals.

Larry W6WUH ex WB6FXM ex KF6WV

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Date: Sat, 15 Nov 1997 21:28:28 -0500  
From: Charles Ring <charlesr@infonline.net>  
To: boatanchors@theporch.com  
Subject: Re: Oath of Secrecy  
Message-ID: <346E5A4C.27@infonline.net>

W6WUH Larry wrote:

>  
> The International Telecommunications Act of 1935 provides for secrecy of  
> communications to wit:  
>  
> the content on radio communications ( conducted by others) shall not be  
> divulged.

That's still in effect, if not by the law you mantion than by the Comm.  
Act of 1934, but I wonder when the oath was done away with. I've never  
heard of an oath being involved.

> Back in the dim dark past.. hams were expected to study these rules and  
> were tested on them.  
>  
> See an ARRL liscense manual for general or technician class license from  
> the 50's or early 60's to see what I mean.  
>  
> On the technical side you had to be able to recognize every conceivable  
> oscillator and filter inredrawn form...and earlier still in the forties  
> you had to draw them...not just recognize or correct a pre-drawn diagram.  
>  
> You will get a wierd cold shiver if you read a current license manuals.  
>  
> Larry W6WUH ex WB6FXM ex KF6WV

How much did the exams change from the early 60's to late 60's, other  
than restoring the Advanced class? I remember correcting schematics in  
one or more of the exams.

73 de W3NU, formerly WN8JFT, WA8VNU, and WA3PCJ

Novice '63  
General '67  
Advanced '68  
Extra '69  
First Phone '70

-----  
Date: Sun, 16 Nov 1997 02:45:10 UTC  
From: n5off@w5ddl.aara.org  
To: boatanchors@theporch.com  
Subject: R-390A Parts Source  
Message-ID: <125144@w5ddl.aara.org>

In response to the query from Gabor, I've gotten 390A parts from George Rancourt, N1ANX. He has bunches of all kinds of parts. Call him at 413-527-4304.

George is not just a 390A guy, but fancier of all types of fine receivers. He has one of those dual RX Cubic jobbies, and many other fine rigs.

Have a good chat with him.

73 Tom

-----  
Date: Sat, 15 Nov 1997 21:33:59 -0500  
From: "Dennis M. Fox" <foxd@mail.grady.public.lib.ga.us>  
To: howellh@winthrop.edu, Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: TR4X Bearing  
Message-ID: <3.0.3.32.19971115213359.0074cb3c@mailbox.grady.public.lib.ga.us>

At 08:35 PM 11/15/97 -0500, howellh@winthrop.edu wrote:

>  
>Think I've found the problem. Two of the balls are missing....

God, I hate it when that happens!  
Regards, Dennis Fox, Cairo, Ga. 31728-3582 30.53.33N 84.11.46W

-----  
Date: Sat, 15 Nov 1997 22:09:18 -0500 (EST)

From: MNHopkins@aol.com  
To: Boatanchors@theporch.com  
Cc: kbritain@johnstontech.com  
Subject: "Other" modulation for DX-60, truth  
Message-ID: <971115220918\_63130507@mrin42.mail.aol.com>

Sandy stated the technical aspect of the non-plate modulation issue as well as anyone I ever read and a quantum better than any ARRL publication. Note how he did not fall into the trap of saying "100 % Modulation is not possible." The less one knows, or the more ARRL one reads, which tends to correlation, the more likely one is to fall into that trap. I will state the social history of the issue, first asking just what the term "effecient" might mean.

To the ARRL, if we pay four times more for a rig and it uses twice as much electricity and takes up 2 or three times as much room, it is "efficeint."  
Thus, reaching for a 1969 ARRL handbook we learn that in non-plate modulation systems "the unmodulated carrier power output obtainable...is only about one fourth to one third that obtainable from the same amplifier with plate modulation." (p. 239). If one is not careful to separate the apples and oranges from that passage, he might, as most have, conclude that big iron plate modulation is "the only way to go." Not everyone so concluded.

Now consider CQ Magazine, December 1949, page 24 where we hear "There seem to be many methods used in screen-grid modulation, but not much information has been made available on methods of setting it up for fairly complete modulation capabilities." The writer then calims "45 to 50%" plate circuit efficiencies. He admits "Such high values of plate circuit efficiency seem to be out of line for normal "effieciency modulation," but experimental results and normal operations over a period of time have proven that it is possible."

Would that change ones mind? If one can push 50% without a house full of hardware and all the attendant expense, might big iron class B plate modulation have been greviously oversold.? That writer, VHF pioneer Frank C. Jones, W6AJF, who edited the West Coast Handbook before Bill Orr, thought so and finally switched all together.

Those words of Frank Jones were pened when this white haired student was in arms and by the time I went to school, the controversy did not matter. Jack C. Brown was writing his sideband series, folks were counting decibels up to the amazing tote of 18 and AM moved into the backwater of hamdom -- with the Novices that come about that time. In the mid fifties my teenage pals chatted across town on Adventuresr and Globe Scouts set up for various ingenious systems, but it was understood that we all should feel bad about it. Of course that was wrong, but in light of other mistakes we made in the '50s, it probably does not matter. But if you have a taste for the



unconventional, seek out old Frank and the others. They never apologized and the DX-60 folks don' either -- a 6DE7 can stand up to a pair of 807s.

73 de ab51, michael in dallas, a student of Tecraft and International Crystal whose TXs were plate modulated, but who keeps a Globe Hi Bander back up -- Heising and all. MNHopkins@AOL.com

-----  
Date: Sat, 15 Nov 1997 22:46:48 -0500  
From: "ROBERT W DOWNS, WA5CAB" <RWDDowns\_WA5CAB@compuserve.com>  
To: BOATANCHORS <boatanchors@theporch.com>  
Subject: CY-6341A/PRC-74 wanted  
Message-ID: <199711152247\_MC2-285B-56C8@compuserve.com>

Group,

Received a msg just now from Jared Lang wanting to know whether I had any=

battery boxes for the AN/PRC-74. I don't. If any of you do and want to part with them, reply direct at JHland@pacbell.net. He has five radios s=

o  
I guess he would like to find five battery boxes.

73, Robert W. Downs, WA5CAB  
RWDDowns\_WA5CAB@compuserve.com  
Houston, TX

-----  
Date: Sat, 15 Nov 1997 23:23:58 -0600 (CST)  
From: Mike Maloney <ac5p@ionet.net>  
To: boatanchors@theporch.com  
Subject: Valiant Fuse Blo'in...Solved  
Message-ID: <199711160523.XAA15894@mail.ionet.net>

Thanks to all who offered tips and suggestions on subject problem. The problem turned out to be a blown and shorting line filter disc ceramic. Color me lucky. Also noticed one of the 866's was nasty around the anode. Thanks to local Gary-W7FG we have a new pair of 3B28's in the rig. While I had the cover off, I ran some tests on the ac line current going thru the line fuse-plug disconnect. I put a 1.0 ohm/50W power resistor in series with one leg of the plug and meas the 1ms peak voltage drop across the resistor with a Fluke 87 figuring 1v=1A with the 1.0 ohm res. No load volts was 123. The peak on power up was averaged over 6 turn-ons from cold state. This came out to an avg 6.7A peak. The steady state current was 1.37A. This goes thru the 1.6A Slo-blow fuse-F1 and supplies all the filaments, DC and bias for all

tubes exc. the PA's and Modulator.

When the rig was loaded up to 330ma and PTT/AM w/modulation (near 100%), the peak avg was 30A and the total steady state current was about 5.2A. This current all goes thru the 8A fuses in the line plug. EFJ did not put a seperate fuse in the HV xfmr primary which would seem to me to have been cheaper (and safer) than the double fused main disc. plug. So it takes about 600VA of input energy to get a little over 100W of RF out. Good efficiency,huh? The heat helps warm shack in winter, so tis not wasted.

My plans are to add a fuse for the primary of the HV xfmr, add inrush protection thermistors, and a 3 wire line cord to a polarized plug. I'll make a deal to someone wanting the fuse plug that insists on a rig being "original" as possible.

Thanks to Jim Garland, W8ZR for the inspiration to investigate this.

73 de Mike/ac5p

-----  
Date: Sun, 16 Nov 1997 05:45:14 -0800 (PST)  
From: Stanley Wilson <microres@crl.com>  
To: n5off@w5ddl.aara.org  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: R-390A Parts Source  
Message-ID: <Pine.SUN.3.91.971116054304.18473A-100000@crl2.crl.com>

Hi Tom,

I also have some of those Dual Cubic RX jobbies and they are not really that old. Got it new near the very end of the production run in 1981 or 1980. hi Cubic 103 BX. Real nice receiver and lots of other goodies all built in. Still use it for CW on 30 mtrs. de stan ak0b

-----  
Date: Sun, 16 Nov 1997 10:41:01 -0800  
From: "James R. Binkley" <w4aos@his.com>  
To: boatanchors@theporch.com  
Subject: Re: Thanks to (who?) for the repair tip! (Al Klase , 11/14/97 18:51)  
Message-ID: <346F3E3D.3C78@his.com>

Well said Al. Your excellent post saved me the trouble of composing a

reply. Couldn't have said it half as well.

73 Bob w4aos@his.com

-----  
Date: Sun, 16 Nov 1997 09:38:55 -0700  
From: David Medley <davemed@worldnet.att.net>  
To: boatanchors@theporch.com  
Subject: URM25D Signal Generator Question  
Message-ID: <3.0.3.32.19971116093855.0070296c@postoffice.worldnet.att.net>

I have seen references in the Hollow State Newsletter to material concerning the rebuild of the URM25-D signal generator. Does anyone know where I can get a copy?

Regards

David Medley KI6QE/7 aka VK2IMJ

1020 West Oleta Drive

Tucson AZ 85704

<bigger><bigger>Source of R390/390A hard to find parts and special  
</bigger>services.

</bigger>

-----  
Date: Sun, 16 Nov 97 15:21:39 UT  
From: "Allan Fritsche" <fritsche@classic.msn.com>  
To: boatanchors@theporch.com  
Subject: Mike Connector needed  
Message-ID: <UPMAIL03.199711161521470805@classic.msn.com>

Hello Gang, anyone out there in BA land have the female mate to a 80-MC2M plug. I believe its the 80-MC2F1.  
Am trying to rig up a patch cord so I can use the trusty D-104 between the Valiant and the little HT-32.  
No local source has them but I did find a place that has about 22 of the male guys for about 5 bucks a piece. Much better then the 7 bucks asked for by Allied and no minimum charge.

Thanks in Advance  
Al  
fritsche@classic.msn.com  
KD5CML

-----  
Date: Sun, 16 Nov 97 11:15:01 CST  
From: listown@jackatak.theporch.com (Mail List Owner)  
To: boatanchors@sco.theporch.com  
Subject: ADMINISTRIVIA: Changing Email Addresses  
Message-ID: <199711161715.LAA04177@jackatak.theporch.com>

Gang-

This periodic post is intended to help subscribers whose email address has changed, preventing posting or receipt of the list.

If you change ISP (InterNet Service Provider), simply send me an email advising the change, and I will do my best to implement the change quickly.

For those unfortunates, whose ISP has made a change without advising their customers of the potential impact of that change on subscribers to email lists like the boatanchors, where one must be a subscriber to post to the list, try to follow along...

Under some circumstances, the changes to your email address are "transparent" to you, but prevent posting. I get error notification for these kinds of problems, and I try to work them out. However, I may miss one, and on this end, the process is anything BUT automatic.

You have a bigger stick than I do. You and your ISP have the primary responsibility to repair the problems caused by the change at the ISP. I have zero leverage with your ISP, and you have great leverage.

Most ISP maintain a customer service department to help with problems like these. This should be your first line of support for email problems. I am happy to assist and consult, but try to understand that when your ISP makes a change to their email handler, and that change prevents you from posting to the boatanchors list, I can help, but resolving this problem is your responsibility, working with your ISP. I am but a volunteer, contributing my time to administer the list.

Thank you for your attention.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Archiver/Owner - - -  
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

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End of BOATANCHORS Digest 1777

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>From ???@??? Mon Nov 17 02:43:02 1997  
Message-Id: <199711170516.XAA21280@sco.theporch.com>  
Date: Sun, 16 Nov 1997 23:16:03 CST  
Subject: BOATANCHORS digest 1778

BOATANCHORS Digest 1778

Topics covered in this issue include:

- 1) Free: 1952 Call Book  
by Mark Hovda <hovda@fyiowa.infi.net>
- 2) BC312 parts needed  
by Cosmo224@aol.com
- 3) Warm up the 2M AM BA's  
by "Larry Bearse" <lbearse@mail1.nai.net>
- 4) 7551 sub?  
by "Larry Bearse" <lbearse@mail1.nai.net>
- 5) FS:Manuals and Books  
by Bob Rolfness <rsrolfne@atnet.net>
- 6) THANKS TO (WHO?) FOR THE REPAIR TIP  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 7) Re: Warm up the 2M AM BA's  
by Jeffrey Herman <jeffreyh@hawaii.edu>
- 8) PRC-77 Manual  
by PLT1032@aol.com
- 9) RE: Oath of Secrecy  
by MODSTEPH@ACS.EKU.EDU
- 10) Re: 7551 sub?  
by jackiv@juno.com (John M Iverson)
- 11) GONSET LINEAR GSB-201 MK IV  
by jackiv@juno.com (John M Iverson)
- 12) Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
by jackiv@juno.com (John M Iverson)
- 13) Re: Drake tuning dial slop  
by Dexter Francis <cwest@xmission.com>
- 14) Re: Oath of Secrecy  
by Morris Odell <morriso@vifp.monash.edu.au>
- 15) Tech band = tough band?

by MNHopkins@aol.com  
16) Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
by Jeffrey Herman <jeffreyh@hawaii.edu>  
17) books FS and items wanted  
by "Jack C. Shutt" <n9gt@fortwayne.infi.net>  
18) WTB Navy Rx's  
by Bob Login <jlogin@gville.mindspring.com>  
19) Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
by Rich Force <bhabooks@together.net>  
20) Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
by Bob Roehrig <broehrig@admin.aurora.edu>  
21) Whatever happened to Aerials?  
by Bob/WB0AUQ <brainbol@lawrence.ks.us>  
22) National Union Tube question  
by Rich Force <bhabooks@together.net>  
23) Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
by berg stephen erik <z931086@corn.cso.niu.edu>  
24) Re: R-390A Parts Source  
by n5off@w5ddl.aara.org  
25) Re: TR4C Dial Play  
by DEE ALMQUIST <w4pnt@rica.net>  
26) Re: Whatever happened to Aerials?  
by MODSTEPH@ACS.EKU.EDU  
27) VHF FM BA GEAR BEING USED?  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
28) OTHER MODULATION SCHEMES  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
29) Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
by Colin Thompson <burkec@goldstate.net>  
30) Re: OTHER MODULATION SCHEMES  
by Morris Odell <morriso@vifp.monash.edu.au>  
31) Re: That darned glass audio crowd....  
by w7ni@teleport.com (Stan Griffiths)  
32) R-392 tubes  
by Kevin Gallagher <wire2liv@gomontana.com>  
33) New hope for Swan 250  
by MNHopkins@aol.com

-----  
Date: Sun, 16 Nov 1997 11:22:31 -0800  
From: Mark Hovda <hovda@fyiowa.infi.net>  
To: boatanchors@theporch.com  
Subject: Free: 1952 Call Book  
Message-ID: <346F47F7.6CEA@fyiowa.infi.net>

I have a Fall 1952 Amateur Radio Callbook that needs a good home, free for postage reimbursement. It is in good shape, the binding and all of

the pages are in very good shape, the cover is a little dog eared.

Multiple responses will be settled by the rules of Ware on Monday evening.

Thanks,

Mark  
N0JWI

-----  
Date: Sun, 16 Nov 1997 14:35:13 -0500 (EST)  
From: Cosmo224@aol.com  
To: boatanchors@theporch.com  
Subject: BC312 parts needed  
Message-ID: <971116143512\_2026801661@mrin41.mail.aol.com>

Greetings all

I a looking for a replacement antenna connector for my BC312. Also, if one is available, a power connector plug.

Tnx es 73  
Mike Kana AA9IL

-----  
Date: Sun, 16 Nov 1997 14:37:49 -0500  
From: "Larry Bearse" <lbearse@mail1.nai.net>  
To: "Boatanchors list" <boatanchors@theporch.com>  
Subject: Warm up the 2M AM BA's  
Message-ID: <199711161947.0AA02720@mail1.nai.net>

If you are in CT area, get out your 2M AM BA's for some fun. The famous K1JCL 6 meter AM repeater is expanding to 2M! The system links 6 and 2 together. The system will be functional in the coming week, and has been working on 6 for a while already linking up boatanchors in NY, CT, MA, VT and RI. Have'nt heard anyone from NH yet though. The input freq is 144.4 and output on 144.3. Right now you can hear the 6m traffic simulcast on 144.3, and later this week the rx will be on. Both bands run about 100 watts to the ant's which are in Coventry, CT up at 200ft. The receiver is on Box mtn in Vernon. See you there, the roster seems to be growing on 6 almost daily!

73.....Larry WA1LGQ

P.S.....forgot 6m freqs. Input is 50.4 out is 50.5

-----  
Date: Sun, 16 Nov 1997 14:43:19 -0500  
From: "Larry Bearse" <lbearse@mail1.nai.net>  
To: "Boatanchors list" <boatanchors@theporch.com>  
Subject: 7551 sub?  
Message-ID: <199711161957.0AA03157@mail1.nai.net>

Anyone know of a sub for 7551? I can't find a match here. They are used in my Hallicrafters SR-42 and SR-46 and both test very very low. The 12AQ5's test almost dead also and need to be replaced but are still working, but the 7551's are rf finals and the output is low.

Thanks.....Larry WA1LGQ

-----  
Date: Sun, 16 Nov 1997 13:36:50 -0800  
From: Bob Rolfness <rsrolfne@atnet.net>  
To: Boat Anchors List Members <boatanchors@sco.theporch.com>  
Subject: FS:Manuals and Books  
Message-ID: <346F6772.2DC9@atnet.net>

Greetings All -

For sale, the following books and manuals. Prices indicated do not include postage.

1. FUNDAMENTALS OF ELECTRONICS by Matthew Mandl  
Prentice-Hall 1965, hardcopy 675 pages  
excellent condition with dust jacket  
\$10
2. INTRODUCTION TO ELECTRONICS by Lane K. Branson  
Prentice-Hall 1967, hardcopy 596 pages  
very good condition, no marks  
\$10
3. TRANSISTOR CIRCUITS AND APPLICATIONS by Laurence Cowels  
Prentice-Hall 1968, hardcopy 320 pages  
excellent condition with dust jacket  
\$10
4. TRANSISTORS - A SELF INSTRUCTIONAL PROGRAMED MANUAL  
ITT - Federal Electric Corp. 1962 Hardcopy 432 pages  
very good condition, stamped name inside cover  
\$7.50



5. COLOR TV SERVICING by Walter Buchsbaum  
Prentice-Hall 1968, Hardcopy 272 pages  
excellent condition with dust jacket  
\$7.50
6. FUNDAMENTALS OF TRANSISTORS - A PROGRAMMED TEXT  
RCA Service Company 1966, Hardcopy 220 pages  
excellent condition with dust jacket  
\$7.50
7. HANDBOOK OF OSCILLOSCOPES AND APPLICATIONS, John Lenk  
Prentice-Hall 1968, Hardback 220 pages  
excellent condition with dust jacket  
\$7.50
8. DIRECTORY OF ELECTRONIC CIRCUITS, Matthew Mandl  
Prentice-Hall 1966, Hardback 224 pages  
excellent condition with dust jacket  
\$10
9. HOW TO REPAIR ELECTRICAL APPLIANCES, Gershon Wheeler  
Prentice-Hall 1972, Hardback 225 pages  
excellent condition with dust jacket  
\$7.50
10. ELECTRONIC TROUBLESHOOTING,  
Self-Instructional Programmed Manual  
Philco Technical Institute, 1966 Hardback 276 pages  
excellent condition with dust jacket  
\$7.50
11. TRANSISTOR FUNDAMENTALS - Students Workbook  
Howard Sams 1969, Softcover 260 pages  
Very good conditions, no marks  
\$5
12. CERTIFIED NETWORK ENGINEER STUDY GUIDE VOLUME 1  
Wave Technologies 1994, Softcover 360 pages  
Good condition, Inked name on cover  
\$20
13. CERTIFIED NETWORK ENGINEER STUDY GUIDE VOLUME 2  
Wave Technologies 1994, Softcover 360 pages  
Good condition, Inked name on cover  
\$20
14. COPY - SERVICE MANUAL TR-7 HF TRANSCEIVER

Excellent copy with many 11x17 fold out pages  
\$23.75

15. COPY - US ARMY MAINTENANCE MANUAL COLLINS KWM 2/2A  
Excellent copy  
\$12.50

16. COPY - US ARMY MAINTENANCE MANUAL COLLINS 30L-1  
Excellent Copy  
\$7.50

17. COPY - INSTRUCTION BOOK RBM-5 RADIO RECEIVING SET  
Excellent Copy  
\$10

18. INTRODUCTORY ELECTRICAL ENGINEERING, Corcoran & Reed  
Wiley 1957, Hardcover 528 pages  
Used condition, Inked name inside cover  
\$7.50

73's Bob W7VZX

-----  
Date: Sun, 16 Nov 1997 16:58:26 -0500 (EST)  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
To: boatanchors@theporch.com  
Subject: THANKS TO (WHO?) FOR THE REPAIR TIP  
Message-ID: <9711161658.aa05314@pcusa01.ecunet.org>

Excellent idea for delicately replacing components in old & sometimes fragile equipment.

Messing around trying to unsolder a wire(s) from a bunch on a terminal strip is just asking for trouble.

It mechanically & thermally stresses all else connected to that terminal. Old components don't like that.

There is nothing wrong with "TV repair shop look" if it's done well & may well save future grief.

After all, a connection has only 2 jobs: be mechanically secure (yet not stress the component) and make a good electrical connection. Do we want the radio to play well or put the soldered connection on the wall of a museum?!

No, I'm not interested in dripping toilet bowl sealing wax on radio innards! If the wax has the least bit of conductivity it could easily form a leaky path around a new capacitor. That would cause endless trouble in a high impedance circuit, e.g. an AVC line.

And no, I don't ask my dentist to take a tooth out of my head to put a filling in it either. Too much extra stress.

-John Sehring (Sat, Nov 15, 1997 11:23 am MT @Baker, Montana) UCC WB2EQG

-----  
Date: Sun, 16 Nov 1997 12:10:26 -1000  
From: Jeffrey Herman <jeffreyh@hawaii.edu>  
To: Larry Bearse <lbearse@mail1.nai.net>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Warm up the 2M AM BA's  
Message-ID: <Pine.GS0.3.95q.971116115922.24264A-100000@uhunix5>

This was incredible to read! Art Gentry's 2m \*AM\* rprr located in the Hollywood Hills above Los Angeles went into operation almost exactly 40 years ago (first in-band rprr in the nation, if not the world). Who would have thought that in 1997 we'd see new VHF \*AM\* rprrs going up!

Good job, Larry!

Jeff KH2PZ / KH6

-----  
Date: Sun, 16 Nov 1997 18:34:21 -0500 (EST)  
From: PLT1032@aol.com  
To: boatanchors@theporch.com  
Subject: PRC-77 Manual  
Message-ID: <971116183421\_-624807581@mrin43.mail.aol.com>

Does anyone out there have a "Field and Depot Maintenance Manual" for Radio Set AN / PRC-77 for sale?

Bob Lindgren

-----  
Date: Sun, 16 Nov 1997 18:59:01 -0500 (EST)  
From: MODSTEPH@ACS.EKU.EDU  
To: boatanchors@theporch.com  
Subject: RE: Oath of Secrecy

Message-ID: <01IQ36DTJZN600PHTP@ACS.EKU.EDU>

...it was written...>>>

...and earlier still in the forties

you had to draw them...not just recognize or correct a pre-drawn diagram.<<<

.referring to oscillator circuits.

That went on later than the forties.. We had to be able to draw several oscillator circuits for tests at least into the late '50's (1959, e.g., when I got General at the FCC testing place..), and at that same time for commercial tickets they gave you circuits, and you had to fix 'em if they needed it - or leave alone if they were OK as they were. I recall for one I had an FM circuit that I did not recognize (other than it WAS an FM circuit)... so not being sure of it, I "X'd" the darn thing out and drew one I knew would work. Don't know how I did on that particular one, but I did pass the exam..

Memories... ;)

73, Al N5AIT  
modsteph@acs.eku.edu

-----  
Date: Sun, 16 Nov 1997 15:24:01 CST  
From: jackiv@juno.com (John M Iverson)  
To: lbearse@mail1.nai.net  
Cc: boatanchors@theporch.com  
Subject: Re: 7551 sub?  
Message-ID: <19971116.160101.3470.1.jackiv@juno.com>

Hi as to the 7551, no replacement in the 12 v series, however I just looked in the outfit in Tempe AZ it is listed at \$7.80. (this is not an ad info only) Jack

Jack Iverson K0EWU jackiv@juno.com RCA QCWA ARCI IEEE,LM ARRL

-----  
Date: Sun, 16 Nov 1997 15:53:43 CST  
From: jackiv@juno.com (John M Iverson)  
To: <boatanchors@sco.theporch.com>  
Subject: GONSET LINEAR GSB-201 MK IV  
Message-ID: <19971116.160101.3470.3.jackiv@juno.com>

An associate, part of a lunch bunch on thursdays has a gonset linear for

sale. he sez it works gud, any interest I will refer to him, this is the one with 4 572Bs rated at 2000 w. pep 1000w CW, 600w AM.

I think that Barney wants \$425 with good tubes Would have to be a pick up in the Park Ridge IL area ( HI Hillary ) The reason that I am posting this is that Barney don't have no computer and is not too well. I will pass any replies to him and he will reply via twisted pair... thanks to all. 73 jack

Jack Iverson K0EWU jackiv@juno.com RCA QCWA ARCI IEEE,LM ARRL

-----  
Date: Sun, 16 Nov 1997 15:19:03 CST  
From: jackiv@juno.com (John M Iverson)  
To: JOHN\_SEHRING.parti@ecunet.org  
Cc: boatanchors@theporch.com  
Subject: Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
Message-ID: <19971116.160101.3470.0.jackiv@juno.com>

you said it all, jack

Jack Iverson K0EWU jackiv@juno.com RCA QCWA ARCI IEEE,LM ARRL

On Sun, 16 Nov 1997 16:58:26 -0500 (EST) JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING) writes:

>Excellent idea for delicately replacing components in old & sometimes  
>fragile equipment.

>

>Messing around trying to unsolder a wire(s) from a bunch on a terminal  
>strip is just asking for trouble.

>

>It mechanically & thermally stresses all else connected to that  
>terminal.

>Old components don't like that.

>

>There is nothing wrong with "TV repair shop look" if it's done well &  
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>well save future grief.

>

>After all, a connection has only 2 jobs: be mechancially secure (yet  
>not

>stress the component) and make a good electrical connection. Do we  
>want

>the radio to play well or put the soldered connection on the wall of a  
>museum?!

>

>No, I'm not interested in dripping toilet bowl sealing wax on radio  
>innards! If the wax has the least bit of conductivity it could easily  
>form

>a leaky path around a new capacitor. That would cause endless trouble

>in a  
>high impedance circuit, e.g. an AVC line.  
>  
>And no, I don't ask my dentist to take a tooth out of my head to put a  
>filling in it either. Too much extra stress.  
>  
> -John Sehring (Sat, Nov 15, 1997 11:23 am MT @Baker, Montana) UCC  
>WB2EQG  
>

-----  
Date: Sun, 16 Nov 1997 17:12:56 -0700  
From: Dexter Francis <cwest@xmission.com>  
To: boatanchors@theporch.com  
Cc: howellh@winthrop.edu  
Subject: Re: Drake tuning dial slop  
Message-ID: <346F8C05.7C2F@xmission.com>

Check to see if the grease that lubricates the split gears has dried out. If it has become sticky, the anti-backlash won't be working. (I hope I'm remembering this correctly. I didn't take the cover off the SPR-4 before posting this comment...)

-df

-----  
Visit our Web site at <http://www.xmission.com/~cwest/>  
e-mail to: tubes@usa.net -or- cwest@xmission.com  
(P.O. Box 22443, Salt Lake City, Utah 84122)

-----  
Date: Mon, 17 Nov 1997 11:18:29 +1100  
From: Morris Odell <morriso@vifp.monash.edu.au>  
To: boatanchors@sco.theporch.com  
Subject: Re: Oath of Secrecy  
Message-ID: <346F8D55.5871@vifp.monash.edu.au>

Hi all,

Stan Gilstrap wrote:

> "414. Oath of secrecy.- Licenses are not  
> valid until the oath of secrecy has been  
> executed and the signature of the licensee  
> affixed thereto."  
>  
> Anyone know what that one was all about?

>

This brought back memories of when I was first licenced in 1965. Here in Oz you had to sign a secrecy declaration and it was noted on your certificate. I don't know if they still do it but I suspect not. It must have been an international requirement at the time.

73 de Morris VK3DOC

-----  
Date: Sun, 16 Nov 1997 19:20:59 -0500 (EST)  
From: MNHopkins@aol.com  
To: Boatanchors@theporch.com  
Cc: kevin.reeves@juno.com, kbritain@johnstontech.com  
Subject: Tech band = tough band?  
Message-ID: <971116192059\_-1072083289@mrin52.mail.aol.com>

When I gave Dennis, W5FRS, a side of the road TV antenna, I assumed he was going to use the fittings and boom to make himself a 6M Yagi-Odo, but I was wrong. He just put it up on a push pole, broken off reflector and all, and hit it with 100W thru TV twinlead. His homebrew tuner from the 1972 Understanding Amateur Radio brought it down to SWR 1:1 with a twist.

Then he broke out a 1958 Lafayette HE-56 converter from Jim, W5JI, patched it to a Drake 2A and heard my 200mW beacon 10 miles away. All this stands for the proposition that it isn't difficult to get on 6M at all to be ready for the coming excitement. So if you have a Lafayette HE-45 or a Sixer, start looking on trashpiles for an antenna, that's probably where you got the rig anyway.

73 de ab5l, michael in dallas, student of Tecraft and International Crystal (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58  
MNHopkins@AOL.com

-----  
Date: Sun, 16 Nov 1997 15:14:39 -1000  
From: Jeffrey Herman <jeffreyh@hawaii.edu>  
To: Boatanchors List <boatanchors@sco.theporch.com>  
Subject: Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
Message-ID: <Pine.GSO.3.95q.971116150211.28874B-100000@uhunix5>

To all of you who would part-out or cannibalize a radio (or cut parts from around a terminal strip!) let me remind you of what the Communications Act of 1934 has to say:

"Sec.303. Except as otherwise provided in this Act, The Federal Communications Commission from time to time, as public convenience, interest,

or necessity requires, shall -

(1) Have authority to suspend the license of any operator upon proof sufficient to satisfy the Commission that the licensee -

(c) has wilfully damaged or permitted radio apparatus or installation to be damaged; "

So just stop it or you'll lose your license!

-----

Date: Mon, 17 Nov 1997 01:14:21 -0500  
From: "Jack C. Shutt" <n9gt@fortwayne.infi.net>  
To: boatanchors@theporch.com  
Cc: n9gt@fortwayne.infi.net  
Subject: books FS and items wanted  
Message-ID: <346FE0BD.44F5@fortwayne.infi.net>

Hello fellow anchor fans:

I have a few books for sale:

1944 ARRL Radio Amateur's Handbook F-G \$20.00

1953 ARRL Radio Amateur's Handbook F-G \$12.00

1953 QSTs 6,7,8,9,11,12 \$1.00 each

All prices plus shipping.

I'm still looking for meters:

Simpson model 127 2 5/16" square 0-10 MA DC  
Simpson model 157 2 5/16" square 0-10 V AC

Thanks and 73,  
Jack, N9GT  
N9GT@fortwayne.infi.net

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Date: Sun, 16 Nov 1997 20:00:37 -0500  
From: Bob Login <jlogin@gville.mindspring.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: WTB Navy Rx's  
Message-ID: <199711170115.UAA17088@camel8.mindspring.com>



Hi Fellow BA Collectors--Very interested in Navy Rx's such as RBB, RBC , RBL , RAL etc. If you have one u would part with, I would like to buy it.

Tnx & 73's Bob AA8A (Greenville, SC 29681)

-----  
Date: Mon, 17 Nov 1997 01:36:36 +0000  
From: Rich Force <bhabooks@together.net>  
To: JOHN\_SEHRING.parti@ecunet.org, boatanchors@theporch.com  
Subject: Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
Message-ID: <3.0.3.32.19971117013636.006aafb4@pop.together.net>

At 16:58 11/16/97 -0500, you wrote:

>

>No, I'm not interested in dripping toilet bowl sealing wax on radio  
>innards! If the wax has the least bit of conductivity it could easily form  
>a leaky path around a new capacitor. That would cause endless trouble in a  
>high impedance circuit, e.g. an AVC line.

>

Hi John,

I don't think I made myself clear. I don't drip wax into the radio. I use it to seal the end of the capacitor tube like the old paper condensers had wax on the ends. It's done when the capacitor is out of the radio. I won't drip wax into a radio that would be crazy.

73, Rich WB1ASL (EX WV20CK, WA20CK, KP4DKF, WB2QYV)

-----  
Date: Sun, 16 Nov 1997 19:25:47 -0600 (CST)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: Jeffrey Herman <jeffreyh@hawaii.edu>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
Message-ID: <Pine.ULT.3.96.971116192335.25644E-100000@admin.aurora.edu>

On Sun, 16 Nov 1997, Jeffrey Herman wrote:

> (1) Have authority to suspend the license of any operator upon proof  
> sufficient to satisfy the Commission that the licensee -  
> (c) has wilfully damaged or permitted radio apparatus or instal-  
> lation to be damaged; "

I always get a kick out of seeing those pages in TM's on how to destroy

equipment to prevent it from falling into enemy hands. I posted one of those pages on our RCA AM broadcast transmitter, and later on the PDP-11. Raised a few eyebrows.

"No one is listening until you make a mistake"  
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

-----  
Date: Sun, 16 Nov 1997 20:51:33 -0600  
From: Bob/WB0AUQ <brainbol@lawrence.ks.us>  
To: boatanchors@theporch.com  
Subject: Whatever happened to Aerials?  
Message-ID: <346FB135.3098@lawrence.ks.us>

G'evening all,

I spent the afternoon rummaging thru old issues of CQ mag, looking for info on the recently acquired NCX-3. They, as QST, have an index in the December issues, with appropriate sections for modifications, reviews, etc. Well, I noticed up thru 1965 one section was titled "Aerials, Antennas, Towers, Transmission Lines". But....in 1966 this changed to just "Antennas, Towers, Transmission Lines". So, you old timers out there.....howcum you quit using aerials and went to antennas?

--  
73,  
Bob/WB0AUQ/AFA3RE FISTS #1905  
e-mailto:brainbol@lawrence.ks.us

-----  
Date: Mon, 17 Nov 1997 02:55:09 +0000  
From: Rich Force <bhabooks@together.net>  
To: boatanchors@theporch.com  
Subject: National Union Tube question  
Message-ID: <3.0.3.32.19971117025509.00737fd4@pop.together.net>

Hi BA Crew,

While I was going through some boxes of old tubes and trying to put them in some order, I came across a tube marked as a 1B1 it was made by National Union and is in a ST type glass with a UX type base (4 pin). After closer examination and not being able to find it in any tube guide I noticed that it did not have any elements except what looks like three very thin filament wires. Does anyone have any idea what this may have been used

for? The only thing I can think of is some kind of bulb but why with a radio tube base? I do not think is a projector bulb because I would think the ST style glass would create unwanted shadows. Any help?

Rich, WB1ASL

-----  
Date: Sun, 16 Nov 1997 20:57:24 -0600 (CST)  
From: berg stephen erik <z931086@corn.cso.niu.edu>  
To: boatanchors <boatanchors@theporch.com>  
Subject: Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
Message-ID: <Pine.3.89.9711162048.A5325-01000000@corn.cso.niu.edu>

If we use toilet ring wax when replacing the waxed paper capacitors, do we have to use plumber's putty when working on the bath tub units?

73,

Steve WA9JML

z931086@corn.cso.niu.edu

-----  
Date: Mon, 17 Nov 1997 03:00:45 UTC  
From: n5off@w5ddl.aara.org  
To: microres@crl.com  
Cc: boatanchors@theporch.com  
Subject: Re: R-390A Parts Source  
Message-ID: <126083@w5ddl.aara.org>

THanks for the note. Wihs I had one of those (or is it plural)?

73 Tom

-----  
Date: Sun, 16 Nov 1997 21:33:12 -0600 (CST)  
From: DEE ALMQUIST <w4pnt@rica.net>  
To: boatanchors@theporch.com  
Subject: Re: TR4C Dial Play  
Message-ID: <199711170333.VAA18394@sco.theporch.com>

At 04:19 PM 11/15/97 -0500, you wrote:

>

>WINTHROP UNIVERSITY

Electronic Mail Message

>  
>  
> Date: 15-Nov-1997 04:12pm EST  
> From: Haney Howell  
> HOWELLH  
> Dept: Mass Communication  
> Tel No: 323-4534  
>  
>TO: Remote Addressee ( \_smtp%"boatanchors@theporch.com" )  
>  
>Subject: TR4C Dial Play  
>  
>Attempting to get rid of some dial play and instability. The main tuning knob  
>has about an eighth inch of play. The PTO tunes fine with a bit of down or up  
>pressure but jumps around a bit. I can see some play in the nylon gears  
>and the  
>shaft into the PTO. I've tried reseating the PTO, etc. but can't find the  
>source of the play.  
>  
>Anyone solved this problem in the past? Could the play be in the bearings?  
>((Gosh I hope not!))  
>  
>Thanks  
>  
>Haney k2xn <howellh@winthrop.edu>  
>

Hi Haney

Yes, most likely play is in the thrust bearing back plate of mechanical assembly and in front of the oscillator pcb with the coil. To access it, remove cover over osc pcb. Underneath coil on back of mechanical chassis & above back of pcb you will find a hole thru phenolic mount an allen adjustment(.088" approx). With the right allen and long shank (or you might find 90 deg. allen might fit) you can reach it without taking pto loose. Tighten for zero end play. Sometimes someone mistakenly lubes the plastic bearings on the gear assembly. Besides the greasy mess, soon this will gum and stick. Hope this isnt the case with yours. Try the adjustment first and see if your problem is corrected.

Regards

Dee

I restored and use a Drake station.....

Patty, KA4EKK & Dee, W4PNT

Patty and Dee's Marina, collectors of Drake, Johnson, Collins, RCA, Hammarlund, homebrew and other heavy metal. ALL HOBBY....WE'RE RETIRED!

(540)249-3161 Fax: (540) 249-5064  
534 W. Main St. Waynesboro, Va. 22980

-----  
Date: Sun, 16 Nov 1997 22:37:16 -0500 (EST)  
From: MODSTEPH@ACS.EKU.EDU  
To: boatanchors@theporch.com  
Subject: Re: Whatever happened to Aerials?  
Message-ID: <01IQ3E4ECMTY00NGRG@ACS.EKU.EDU>

...>>>.....howcum you quit using aerials and went to antennas?  
--<<<

Got tired of being confused with trapeze performers...  
aka "aerial artists."

;)

73, A1 N5AIT

-----  
Date: Sun, 16 Nov 1997 22:43:06 -0500 (EST)  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
To: boatanchors@theporch.com  
Subject: VHF FM BA GEAR BEING USED?  
Message-ID: <9711162243.aa27820@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Is anybody using BA type gear on 10m, 6m or 2m FM?

-John Sehring (Sun, Nov 16, 1997 3:24 pm MT @Baker, Montana) UCC WB2EQG

-----  
Date: Sun, 16 Nov 1997 22:43:07 -0500 (EST)  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
To: boatanchors@theporch.com  
Subject: OTHER MODULATION SCHEMES  
Message-ID: <9711162243.aa27823@pcusa01.ecunet.org>

To: boatanchors@theporch.com

But the various efficiency AM modulation schemes do have a rather annoying drawback at the receiving end: They drive most of the usual AVC systems in receivers a little crazy! The signal strength is not at all steady as it

is with plate-modulated AM signals.

Very few receivers' AVC systems have truly fast attack time (under 1 mSec) & so will overload on the leading edge of every burst of modulation. This is the same problem that you can have with receiving SSB sigs.

As a result, you may get a lot of pumping of background noise & the speech will sound sort of compressed--the AVC is actually trying its best to ~~remove~~ the speech from the carrier.

Best AVC characteristic is then very fast attack & nice slow decay, just like a good AVC for SSB.

-John Sehring (Sun, Nov 16, 1997 3:27 pm MT @Baker, Montana) UCC WB2EQG

-----  
Date: Mon, 17 Nov 1997 19:56:53 -0800  
From: Colin Thompson <burkec@goldstate.net>  
To: boatanchors@theporch.com  
Subject: Re: THANKS TO (WHO?) FOR THE REPAIR TIP  
Message-ID: <34711205.6B3C@goldstate.net>

Greetings:

I have had my fill of this original innards cosmetic stuff. If my previous posts on BA audio sections are any gauge, I'm sure this post will add some fuel and oxygen to the fire.

If the original designer would have had access to modern wiring and components, THEY WOULD HAVE USED THEM! Granted the cost cutting bean counters involved in mass production would have cut some corners. Please bear in mind I am not in favor of changing the original circuit (no solid state rectifiers, please!). Replacement of faulty components should be done with respect to preserving the thoughts and ideas of the original design. Of course care should be taken not to damage any irreplaceable components. I thought the boatanchor's folks were interested in using vintage equipment, not creating museum pieces to gather dust on a shelf.

It really bugs me to see classic performance cars being garaged, coveted and relegated to museum status. The same goes for boatanchors. The real museum is in the experience of the mind. Fix them to the best of your ability and use them!

A very opinionated person's opinion,

Colin Thompson

-----

Date: Mon, 17 Nov 1997 15:16:55 +1100  
From: Morris Odell <morriso@vifp.monash.edu.au>  
To: boatanchors@sco.theporch.com  
Subject: Re: OTHER MODULATION SCHEMES  
Message-ID: <346FC537.1544@vifp.monash.edu.au>

Hi all,

JOHN SEHRING wrote:

>  
> But the various efficiency AM modulation schemes do have a rather annoying  
> drawback at the receiving end: They drive most of the usual AVC systems in  
> receivers a little crazy! The signal strength is not at all steady as it  
> is with plate-modulated AM signals.

John has brought up a very interesting point here. It's true that  
"controlled carrier" AM will pump a fast agc but is there also such an  
effect with "conventional" AM due to the sideband energy?

When I look at an AM signal on a panadaptor it always seems to vary its  
carrier amplitude with modulation. There are 2 possibilities I guess:

1. The AM station is using a degree of controlled carrier
2. The receiver's agc is varying the gain according to modulation. This  
does not seem to be audible but would account for the variation in  
carrier seen on the 'scope.

In both cases you would expect a variation of agc with modulation which  
should show on the S meter. This doesn't appear to be happening.

So what is happening??

Of course the question may be answered by looking at an AM signal with  
the agc disabled which I will do as soon as I can. Of all my boatanchors  
I only have one receiver (would you believe) with a 455 khz  
IF to suit the panadaptor and that's the R390A. It's currently sitting  
on the bench having some minor surgery so I mightn't be able to answer  
the question for a couple of days.

What do people think?

73 de Morris VK3DOC

-----

Date: Sun, 16 Nov 1997 20:43:15 -0800 (PST)

From: w7ni@teleport.com (Stan Griffiths)  
To: boatanchors@theporch.com  
Subject: Re: That darned glass audio crowd....  
Message-ID: <199711170443.UAA06296@mail1.teleport.com>

>The resolution of a serious HiFi is really scary. There are subtle  
>things that your ear can hear that we have yet to figure out how to  
>measure. Your eyes and ears are much more sensitive than any measuring  
>device man has constructed. The are also hooked up to the most  
>powerfull multitasking super computer.

>73,  
>  
>Colin Thompson

Well . . . , I'll give you this much . . . I have never seen an oscilloscope  
with an active imagination . . . Also, I have never seen one that knows the  
outcome before the tests are run . . . nor one that desparately wants the  
outcome to develop in a specific direction . . .

Stan w7ni@teleport.com

-----  
Date: Sun, 16 Nov 1997 21:53:14 -0700  
From: Kevin Gallagher <wire2liv@gomontana.com>  
To: boatanchors@sco.theporch.com, boatanchors@sco.theporch.com  
Subject: R-392 tubes  
Message-ID: <346FCDBA.4346@gomontana.com>

Gentlemen, I picked up a 392 this weekend and when I got it home, I  
couldn't believe how clean it was inside. There wasn't a tube or shield  
in it! Therefore if any of you have any spare 26v tubes lying around I  
would like to buy some. Need several of each, 26A7, 26A6, and 26D6. I  
would also like to buy a audio module, (ss 26A7 replacement) if anyone  
has a spare to sell. (Fair Radio was out.) Thanks for your time, Kevin

-----  
Date: Mon, 17 Nov 1997 00:14:36 -0500 (EST)  
From: MNHopkins@aol.com  
To: Boatanchors@theporch.com  
Cc: smirk@qth.net  
Subject: New hope for Swan 250  
Message-ID: <971117001435\_1204501843@mrin84.mail.aol.com>

These things just keep drifting along with the breeze, tending to sleeze,



never to please.

The Swan 250 6M Transceiver had a 12 mc VFO of suspect design that conered 4 mc. Its later incarnation, the cursed "Charlie" model sought to solve the problem with a dial lock. But friends, as the evangelists say down her in Texas, there is hope.

That's right folks, just heed the witness of Larry Filby, who like opportunity knocked but once in '77 with a two legal size page analysis and mod sheet offered only to SMIRK members. Later it was lost from the SMIRK archives, but Lisa Lowell, the new high priestess of SMIRK, has found a copy and placed it in the Internet archives of SMIRK at:

<http://ns1.qsl.net/ka0nno>

There one can find many other interesting articles and jumps too.

73 de ab5l, michael in dallas, student of Tecraft and International Crystal (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58  
MNHopkins@aol.com

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End of BOATANCHORS Digest 1778  
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